

**Notice of Allowability**

Application No.

09/922,997

Applicant(s)

AMERGA ET AL.

Examiner

Art Unit

CongVan Tran

2688

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on Nov. 03, 2005.
2. ☒ The allowed claim(s) is/are 1-45.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**CONGVAN TRAN**  
**PRIMARY EXAMINER**

CongVan Tran  
Primary Examiner  
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## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1-45 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 7, 12, 16, 22, although, the prior arts disclose method for determining a position of a remote terminal in a wireless communication network. However, none of them teach assigning a weighted value to a result of the step determining wherein the weighted value comprises delays introduced by the at least one repeater; and calculating the position of the remote terminal on the time measurements and the assigned weighted value as specifically described in claimed.

Regarding claims 29, 31, although, the prior arts disclose method for determining a position of a remote terminal in a wireless communication network. However, none of them teach the associating each computed position estimate from the plurality of computed position estimates with a predetermined confidence value wherein said confidence values comprises delays introduced by the repeater associated with the origination source; and selecting one of the computed estimates based the step of associating as an initial position estimate for remote terminal as specifically described in claimed.

Regarding claim 39, although, the prior arts disclose remote terminal in a wireless communication network. However, none of them teach controller operatively coupled to the demodulator and configured to receive the time measurements and further configured to receive or derive one or more search windows based on an initial

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position estimate for the remote terminal, wherein each search window is used to search for a respective GPS satellite; and a GPS receiver operatively coupled to the controller and configured to search for one or more GPS satellites in accordance with the one or more search windows as specifically described in claimed.

Regarding claim 42, although, the prior arts disclose remote terminal processing unit in a wireless communication network. However, none of them teach controller coupled to the receive data processor and configured to determine whether the remote terminal is under a coverage of a repeater within the network and to derive an initial position estimate for the remote terminal based on the received time measurements as specifically described in claimed.

Claims 2-6, 8-11, 13-15, 17-21, 23-28, 30, 32-38, 40-41, 43-45 are allowed as being dependent on independent claims 1, 7, 12, 16, 22, 29, 31, 39, 42.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CongVan Tran whose telephone number is 571-272-7871. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**CONGVAN TRAN**  
**PRIMARY EXAMINER**



CongVan Tran  
Primary Examiner  
Art Unit 2688

Nov. 15, 2005